

**Charles P. Salamone**  
23 Westerly Drive  
Bourne, MA, 02532  
(508) 759-3489

## **PROFESSIONAL SUMMARY**

**Professional Engineer** with supervisory and leadership skills and experience in:

- |                               |                            |
|-------------------------------|----------------------------|
| Engineering Staff Supervision | New England Power Pool     |
| Transmission Planning         | Substation Planning        |
| Distribution Planning         | Meter Engineering          |
| Budget Management             | Specification Development  |
| Regulatory Agency Testimony   | Software Development       |
| Computer Based Analysis       | Data Processing            |
| Congestion Management         | Generator Interconnections |

## **EMPLOYMENT BACKGROUND**

**Director System Planning** 2000-Present

NSTAR (Previously Boston Edison and Commonwealth Electric) Boston, MA

- Responsible for long term planning of Company transmission, substation and distribution systems
- Supervise a staff of 9 professional engineers
- Oversee transmission and distribution planning efforts to establish a comprehensive 10 year \$300 million system expansion plan
- Serve as Company representative on NEPOOL Reliability Committee and the New England Transmission Expansion Advisory Committee

**Manager, System Planning and Meter Services** 1989-1999

Commonwealth Electric Company, Wareham, MA

- Develop risk based prioritized \$10 million construction budget procedures
- Supervise a staff of 6 professional engineers and 4 analysts
- Served as chair of the NEPOOL Regional Transmission Planning Committee
- Process billing determinant and interval data for all major system customers
- Develop annual performance analysis reports for all transmission and major distribution systems
- Manage multiple FERC tariff based transmission customer and generation developer system impact studies
- Serve as expert Company witness in State and FERC regulatory proceedings
- Initiated implementation of a risk index for prioritization of all transmission and major distribution construction projects
- Initiated implementation of automated electronic processing of major customer billing data, which significantly reduced time needed to generate bills

- Served as lead member on information technology company merger team
- Implemented process and equipment to perform all tie line, generator and wholesale customer meter testing
- Served as chair of the NEPOOL Planning Process Subcommittee, which established numerous NEPOOL policies for transmission and generator owners
- Served as Vice-Chair of the NEPOOL Reliability Committee

***Meter Engineer***

1984-1989

Commonwealth Electric Company, Plymouth, MA

- Designed and supervised installation of 15 generator metering and data recorders
- Developed customer load plotting and analysis software
- Developed meter equipment order data processing system for four remote offices
- Implemented PC control of meter test boards, which significantly reduced processing and record keeping time
- Managed programming of all electronic meter registers to insure accurate data registration

***Computer Application Engineer***

1979-1984

Commonwealth Electric Company, Wareham, MA

- Implemented numerous technical and analytical software applications for engineering analysis
- Served as member of decision team for implementation of a new SCADA system

***Planning Engineer***

1978-1979

San Diego Gas &amp; Electric Company, San Diego, CA

- Performed extensive stability analysis for a new 230 kV transmission interconnection with Mexico
- Performed transmission design and performance analysis for a new 250 mile 500 kV line from San Diego to Arizona

***Planning Engineer***

1973-1978

New England Gas &amp; Electric Company, Cambridge, MA

- Performed extensive stability analysis for a new 560 MW generating plant on Cape Cod
- Developed transmission plan for a new 345 kV transmission line on Cape Cod
- Developed plans for design and sighting of new 115 / 23 kV substations on Cape Cod

**EDUCATION**

Massachusetts Professional Engineer License #36499, 1992

B.S.E.E, Power System Engineering, 1973

Gannon University, Erie, PA